	FRAME 1	FRAME 2	...	FRAME N
Set 0				
Set 1				
...				
Set N-1				
Set N				

150

ADAPTIVE FRAME LOCKING MECHANISM 100

Legend:

→ Unlocked Frame

→ Locked Frame

FIG. 1

MOST RECENTLY USED FRAME DATABASE -- 200
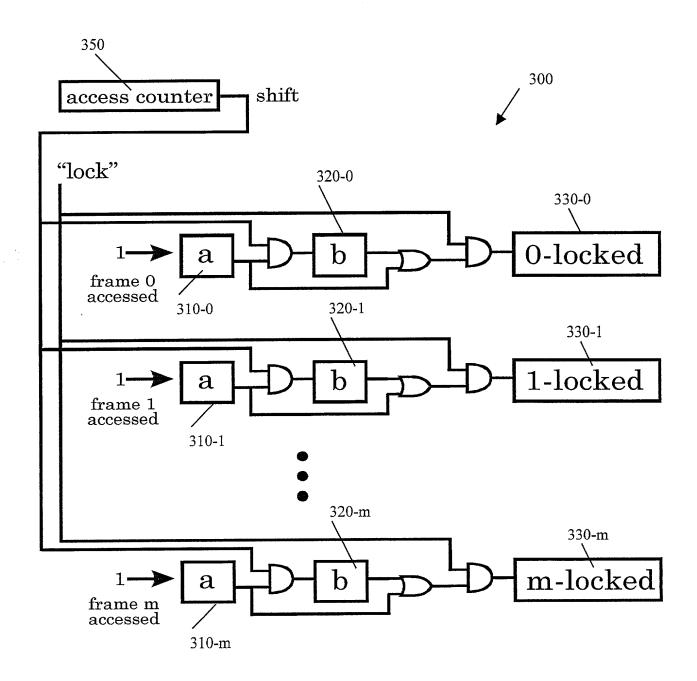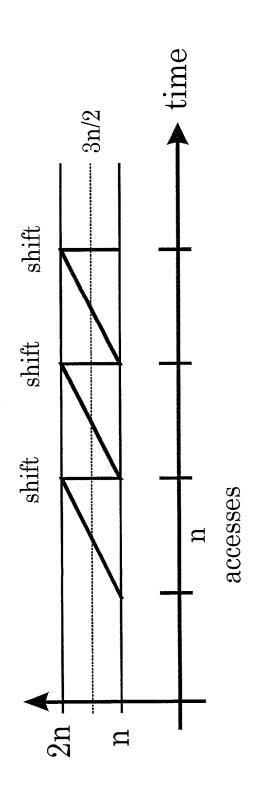
FRAME LOCATION
1
2
3
...
N

FIG. 2

access counter — shift

350

300

"lock"

320-0   330-0

1 → a   ⊃ b   ⊃ 0-locked
frame 0
accessed
310-0

320-1   330-1

1 → a   ⊃ b   ⊃ 1-locked
frame 1
accessed
310-1

320-m   330-m

1 → a   ⊃ b   ⊃ m-locked
frame m
accessed
310-m

FIG. 3

FIG. 4

FRAME MISS COUNTER -- 500

FRAME LOCATION	FRAME MISS COUNTER
0	01
1	10
2	00
...	
N-1	10

FRAME UNLOCK SIGNAL

FIG. 5